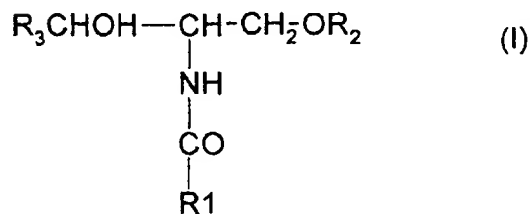


WHAT IS CLAIMED IS:

1. A cosmetic composition comprising:

(1) at least one conditioner chosen from:

- synthetic oils;
- animal oils;
- plant oils;
- fluoro oils;
- perfluoro oils;
- natural waxes;
- synthetic waxes; and
- ceramides of formula (I) :



wherein:

- $R_1$  is chosen from linear and branched, saturated and unsaturated alkyl groups derived from at least one  $C_{14}$ - $C_{30}$  fatty acid, wherein said  $R_1$  is optionally substituted with at least one hydroxyl group in the  $\alpha$  position, and wherein said  $R_1$  may optionally be substituted with at least one hydroxyl group in the  $\omega$  position wherein said at least one hydroxyl group is esterified with at least one group chosen from saturated

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A)  
Cont.

and unsaturated C<sub>16</sub>-C<sub>30</sub> fatty acids;

- R<sub>2</sub> is chosen from a hydrogen atom, (glycosyl)<sub>n</sub> groups, (galactosyl)<sub>m</sub> groups and sulphogalactosyl groups, wherein n is an integer ranging from 1 to 4 and m is an integer ranging from 1 to 8;

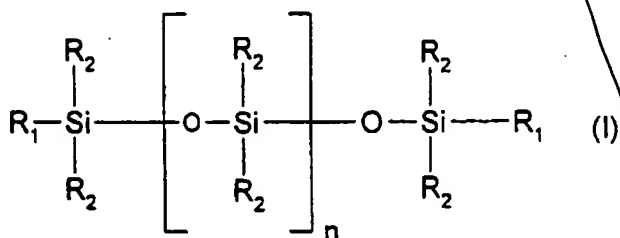
5 - R<sub>3</sub> is chosen from C<sub>15</sub>-C<sub>26</sub> hydrocarbon-based groups, optionally saturated in the α position, wherein said R<sub>3</sub> is optionally substituted with at least one C<sub>1</sub>-C<sub>14</sub> alkyl group;

with the proviso that when said ceramides of formula (I) are chosen from natural ceramides and natural glycosceramides, R<sub>3</sub> may also be chosen from C<sub>15</sub>-C<sub>26</sub> α-

10 hydroxyalkyl groups wherein the hydroxyl group is optionally esterified with at least one C<sub>16</sub>-C<sub>30</sub> α-hydroxy acid group; and

(2) at least one silicone copolymer with a dynamic viscosity ranging from 1 x 10<sup>6</sup> to 100 x 10<sup>6</sup> cP, resulting from the addition reaction, in the presence of a catalyst, of at least:

15 - (a) one polysiloxane of formula (I):



in which:

-  $R_1$ , which may be identical or different, are independently chosen from groups that can react by chain addition reaction,

-  $R_2$  in formula (I), which may be identical or different, are independently chosen from alkyl, alkenyl, cycloalkyl, aryl, hydroxyl, and alkylaryl groups, and can optionally further comprise functional groups,

-  $n$  is an integer wherein the polysiloxane of formula (I) has a kinematic viscosity ranging from 1 to  $1 \times 10^6$  mm<sup>2</sup>/s; and

- (b) at least one silicone compound comprising at least one and not more than two groups capable of reacting with the groups  $R_1$  of the polysiloxane (a), wherein:

- at least one of the compounds of type (a) and (b) comprises an aliphatic group comprising an ethylenic unsaturation.

2. A composition according to claim 1, wherein  $R_1$  is chosen from a hydrogen atom and aliphatic groups comprising an ethylenic unsaturation.

3. A composition according to claim 2, wherein the aliphatic groups comprising an ethylenic unsaturation are chosen from vinyl, allyl and hexenyl groups.

4. A composition according to claim 1, wherein the groups  $R_2$  are chosen from hydroxyl groups; alkyl groups comprising from 1 to 20 carbon atoms; cycloalkyl groups comprising from 5 to 6 carbon atoms; phenyl groups; alkylaryl groups comprising from 7 to 20 carbon atoms; and can optionally further comprise functional groups chosen from ethers, amines, carboxyls, hydroxyls, thiols, esters, sulfonates and sulfates.

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cont.

5. A composition according to claim 1, wherein said alkenyl groups are chosen from alkenyl groups comprising from 2 to 10 carbon atoms.

6. A composition according to claim 1, wherein  $R_2$  is a methyl group.

7. A composition according to claim 1, wherein n is an integer ranging from 5 to 5,000.

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A2

8. A composition according to claim 1, wherein the compound of type (b) is another polysiloxane of type (a) in which at least one and not more than two groups  $R_1$  of the polysiloxane (b) can react with the groups  $R_1$  of the polysiloxane (a).

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9. A composition according to claim 1, wherein, in the presence of a hydrosilylation catalyst, the at least one silicone copolymer is obtained by addition reaction of at least:

- (a) one  $\alpha,\omega$ -divinylpolydimethylsiloxane, and
- (b) one  $\alpha,\omega$ -dihydrogenopolydimethylsiloxane.

10. A composition according to claim 9, wherein the hydrosilylation catalyst is a platinum catalyst.

11. A composition according to claim 1, wherein said at least one silicone copolymer is in the form of an aqueous emulsion.

12. A composition according to claim 1, wherein the at least one silicone copolymer is essentially non-crosslinked.

13. A composition according to claim 1, wherein the at least one silicone copolymer is present in an amount ranging from 0.05% to 10% by weight relative to the total weight of the composition.

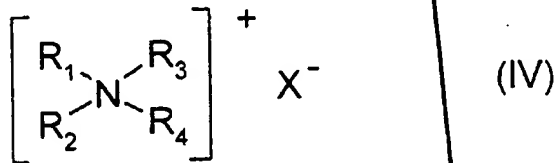
14. A composition according to claim 13, wherein the at least one silicone copolymer is present in an amount ranging from 0.1% to 5% by weight relative to the total weight of the composition.

15. A composition according to claim 11, wherein said aqueous emulsion of the at least one silicone copolymer has a silicone droplet or particle size ranging from 10 nm to 50  $\mu\text{m}$ .

16. A composition according to claim 15, wherein said emulsion of the at least one silicone copolymer has a silicone droplet or particle size ranging from 0.3  $\mu\text{m}$  to 20  $\mu\text{m}$ .

17. A composition according to claim 1 further comprising at least one cationic surfactant chosen from:

A) quaternary ammonium salts of formula (IV) below:

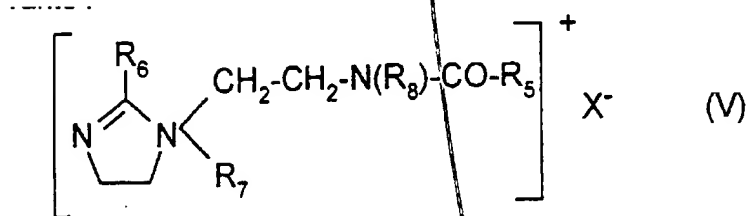


in which:

- the radicals  $R_1$ ,  $R_2$ ,  $R_3$ , and  $R_4$ , which may be identical or different, are independently chosen from linear and branched aliphatic radicals comprising from 1 to 30 carbon atoms, and aromatic radicals, wherein the aliphatic radicals optionally comprise hetero atoms, and

- X<sup>-</sup> is an anion chosen from the group of halides, phosphates, anions derived from organic acids, (C<sub>2</sub>-C<sub>6</sub>)alkyl sulfates, alkyl sulfonates, and alkylaryl sulfonates;

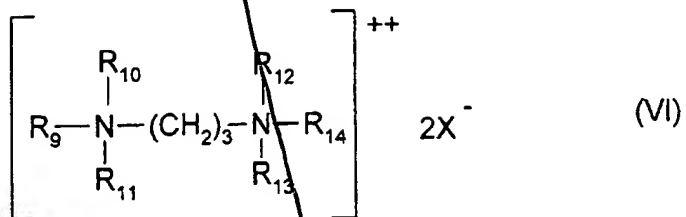
B) quaternary ammonium salts of imidazolinium of formula (V) below:



in which:

- R<sub>5</sub> is chosen from alkenyl and alkyl radicals comprising from 8 to 30 carbon atoms,
- R<sub>6</sub> is chosen from a hydrogen atom, C<sub>1</sub>-C<sub>4</sub> alkyl radicals, and alkenyl and alkyl radicals comprising from 8 to 30 carbon atoms,
- R<sub>7</sub> is chosen from C<sub>1</sub>-C<sub>4</sub> alkyl radicals,
- R<sub>8</sub> is chosen from a hydrogen atom and C<sub>1</sub>-C<sub>4</sub> alkyl radicals, and
- X<sup>-</sup> is an anion chosen from halides, phosphates, acetates, lactates, alkyl sulfates, alkyl sulfonates, and alkylaryl sulfonates;

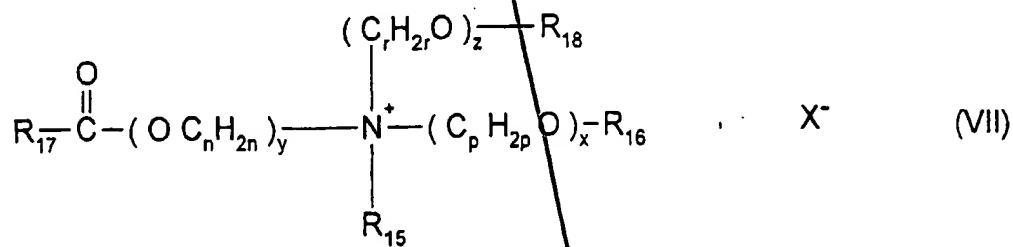
C) diquaternary ammonium salts of formula (VI):



in which:

- $R_9$  is chosen from aliphatic radicals comprising from 16 to 30 carbon atoms,
- $R_{10}$ ,  $R_{11}$ ,  $R_{12}$ ,  $R_{13}$  and  $R_{14}$ , which may be identical or different, are independently chosen from a hydrogen atom and alkyl radicals comprising from 1 to 4 carbon atoms, and
- $X^-$  is an anion chosen from halides, acetates, phosphates, nitrates and methyl sulfates;

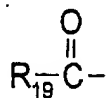
D) quaternary ammonium salts of formula (VII) below comprising at least one ester function:



in which:

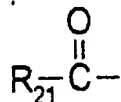
- R<sub>15</sub> is chosen from C<sub>1</sub>-C<sub>6</sub> alkyl radicals and C<sub>1</sub>-C<sub>6</sub> hydroxyalkyl and C<sub>1</sub>-C<sub>6</sub> dihydroxyalkyl radicals;
- R<sub>16</sub> is chosen from:

- acyl groups of the following formula:



wherein R<sub>19</sub> is defined below,

- linear and branched, saturated and unsaturated, C<sub>1</sub>-C<sub>22</sub> hydrocarbon-based radicals, and
- a hydrogen atom;
- R<sub>18</sub> is chosen from:
- acyl groups of the following formula:



wherein R<sub>21</sub> is defined below,

- linear and branched, saturated and unsaturated, C<sub>1</sub>-C<sub>6</sub> hydrocarbon-based radicals, and
- a hydrogen atom;

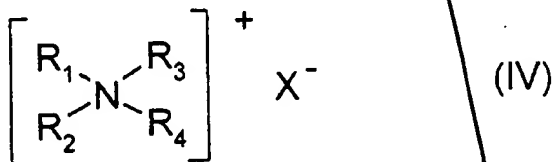


- $R_{17}$ ,  $R_{19}$  and  $R_{21}$ , which may be identical or different, are independently chosen from linear and branched, saturated and unsaturated,  $C_7-C_{21}$  hydrocarbon-based radicals;
  - $n$ ,  $p$  and  $r$ , which may be identical or different, are independently integers ranging from 2 to 6;
  - $y$  is an integer ranging from 1 to 10;
  - $x$  and  $z$ , which may be identical or different, are independently integers ranging from 0 to 10; and
  - $X^-$  is chosen from simple and complex, organic and inorganic anions;
- and

- provided that the sum  $x + y + z$  is from 1 to 15, and that when  $x$  is 0, then  $R_{16}$  is chosen from linear and branched, saturated and unsaturated,  $C_1-C_{22}$  hydrocarbon-based radicals, and that when  $z$  is 0, then  $R_{18}$  is chosen from linear and branched, saturated and unsaturated,  $C_1-C_6$  hydrocarbon-based radicals.

18. A composition according to claim 17, wherein said at least one cationic surfactant is chosen from:

A) quaternary ammonium salts of formula (IV) below:



wherein:

-  $X^-$  is an anion chosen from halides,  $(C_2-C_6)$ alkyl sulfates, phosphates, alkyl and alkylaryl sulfonates, and anions derived from organic acids, and

i) - the radicals  $R_1$ ,  $R_2$ , and  $R_3$ , which may be identical or different, are independently chosen from linear and branched aliphatic radicals comprising from 1 to 4 carbon atoms, optionally comprising hetero atoms, and aromatic radicals, and

-  $R_4$  is chosen from linear and branched alkyl radicals comprising from 16 to 30 carbon atoms;

ii) - the radicals  $R_1$  and  $R_2$ , which may be identical or different, are independently chosen from linear and branched aliphatic radicals comprising from 1 to 4 carbon atoms, optionally comprising hetero atoms, and aromatic radicals, and

-  $R_3$  and  $R_4$ , which may be identical or different, are independently chosen from linear and branched alkyl radicals comprising from 12 to 30 carbon atoms, wherein said radicals further comprise at least one function chosen from ester and amide functions.

19. A composition according to claim 17, wherein in said quaternary ammonium salts of formula (VII):

-  $R_{15}$  is chosen from methyl and ethyl radicals,

-  $x$  and  $y$  are equal to 1;

-  $z$  is equal to 0 or 1;

-  $n$ ,  $p$  and  $r$  are equal to 2;

-  $R_{16}$  is chosen from:

- acyl radicals  $R_{19}-\overset{\overset{O}{\parallel}}{C}-$

wherein  $R_{19}$  is defined below,

- methyl, ethyl and  $C_{14}$ - $C_{22}$  hydrocarbon-based radicals, and

- a hydrogen atom;

-  $R_{18}$  is chosen from:

- acyl radicals  $R_{21}-\overset{\overset{O}{\parallel}}{C}-$

- wherein  $R_{21}$  is defined below,

- a hydrogen atom, and

-  $R_{17}$ ,  $R_{19}$  and  $R_{21}$ , which may be identical or different, are independently chosen from linear and branched, saturated and unsaturated,  $C_{13}$ - $C_{17}$  hydrocarbon-based radicals.

20. A composition according to claim 19, wherein  $R_{17}$ ,  $R_{19}$  and  $R_{21}$  are chosen from linear and branched, saturated and unsaturated  $C_{13}$ - $C_{17}$  aliphatic radicals.

21. A composition according to claim 19, wherein the hydrocarbon-based radicals are chosen from linear hydrocarbon-based radicals.

22. A composition according to claim 17, wherein the compounds of formula (VII) are chosen from diacyloxyethyltrimethylammonium, diacyloxyethylhydroxyethyltrimethylammonium, monoacyloxyethyldihydroxyethyltrimethylammonium, triacyloxyethyltrimethylammonium and monoacyloxyethylhydroxyethyltrimethylammonium salts.

23. A composition according to claim 22, wherein said monoacyloxyethylhydroxyethyltrimethylammonium salts are chosen from monoacyloxyethyl-

hydroxyethyldimethylammonium chloride salts and monoacyloxyethyl-  
hydroxyethyldimethylammonium methyl sulfate salts.

24. A composition according to claim 19, wherein when  $R_{16}$  and  $R_{18}$  are  
chosen from acyl radicals, said acyl radicals are obtained from plant oils chosen from  
palm oil and sunflower oil.

25. A composition according to claim 17, wherein  $X^-$  of said quaternary  
ammonium salts of formula (IV) is an anion chosen from chloride, bromide, iodide,  
methyl sulfate, acetate, and lactate.

26. A composition according to claim 17, wherein said aromatic radicals of  
said quaternary ammonium salts of formula (IV) are chosen from aryl and alkylaryl.

27. A composition according to claim 17, wherein said hetero atoms of said  
quaternary ammonium salts of formula (IV) are chosen from oxygen, nitrogen, sulfur  
and halogens.

28. A composition according to claim 18, wherein said aliphatic radicals of  
formula (IV)(ii) are chosen from alkyl, alkoxy, alkylamide, polyoxy( $C_2$ - $C_6$ )alkylene, and  
hydroxyalkyl radicals comprising from 1 to 4 carbon atoms.

29. A composition according to claim 18, wherein said  $R_3$  and  $R_4$  of formula  
(IV)(ii) are chosen from ( $C_{12}$ - $C_{22}$ )alkylamido( $C_2$ - $C_6$ )alkyl and ( $C_{12}$ - $C_{22}$ )alkylacetate  
radicals.

30. A composition according to claim 17, wherein said  $R_5$  of formula (V) is  
chosen from radicals derived from tallow fatty acid.

31. A composition according to claim 17, wherein in said quaternary  
ammonium salts of imidazolinium of formula (V):

- R<sub>5</sub> and R<sub>6</sub>, which may be identical or different, are independently chosen from alkenyl and alkyl radicals comprising from 12 to 21 carbon atoms,
- R<sub>7</sub> is methyl, and
- R<sub>8</sub> is hydrogen.

5            32.    A composition according to claim 31, wherein said R<sub>5</sub> and R<sub>6</sub>, which may be identical or different, are independently chosen from radicals derived from tallow fatty acid.

            33.    A composition according to claim 17, wherein said diquatery ammonium salts comprise propane tallow diammonium dichloride.

10           34.    A composition according to claim 17, wherein said R<sub>15</sub> alkyl radicals of said quaternary ammonium salts of formula (VII) are chosen from linear and branched C<sub>1</sub>-C<sub>6</sub> alkyl radicals.

            35.    A composition according to claim 34, wherein said R<sub>15</sub> radicals are linear radicals.

15           36.    A composition according to claim 35, wherein said R<sub>15</sub> radicals are chosen from methyl, ethyl, hydroxyethyl and dihydroxypropyl.

            37.    A composition according to claim 36, wherein said R<sub>15</sub> radicals are chosen from methyl and ethyl.

20           38.    A composition according to claim 17, wherein said sum of x + y + z of said quaternary ammonium salts of formula (VII) ranges from 1-10.

            39.    A composition according to claim 17, wherein said quaternary ammonium salts of formula (IV) are chosen from (a) compounds comprising at least two fatty aliphatic radicals comprising from 8 to 30 carbon atoms, (b) compounds comprising at

least one fatty aliphatic radical comprising from 17 to 30 carbon atoms, and (c) compounds comprising at least one aromatic radical.

40. A composition according to claim 17, wherein said at least one cationic surfactant is chosen from behenyltrimethylammonium salts, stearamidopropyldimethyl(myristyl acetate)ammonium salts, Quaternium-27 and Quaternium-83.

41. A composition according to claim 17, wherein the at least one cationic surfactant is present in an amount ranging from 0.1% to 10% by weight relative to the total weight of the composition.

42. A composition according to claim 41, wherein the at least one cationic surfactant is present in an amount ranging from 0.5% to 7% by weight relative to the total weight of the composition.

43. A composition according to claim 42, wherein the at least one cationic surfactant is present in an amount ranging from 1% to 5% by weight relative to the total weight of the composition.

44. A composition according to claim 1 further comprising at least one surfactant chosen from anionic, nonionic, and amphoteric surfactants.

45. A composition according to claim 44, wherein the at least one surfactant chosen from anionic, nonionic, and amphoteric surfactants is present in an amount ranging from 0.1% to 60% by weight, relative to the total weight of the composition.

46. A composition according to claim 45, wherein the at least one surfactant chosen from anionic, nonionic, and amphoteric surfactants is present in an amount ranging from 3% to 40% by weight, relative to the total weight of the composition.

47. A composition according to claim 46, wherein the at least one surfactant chosen from anionic, nonionic, and amphoteric surfactants is present in an amount ranging from 5% to 30% by weight, relative to the total weight of the composition.

48. A composition according to claim 44, wherein the at least one surfactant chosen from anionic, nonionic, and amphoteric surfactants comprises at least one anionic surfactant salt chosen from alkyl sulfates, alkyl ether sulfates, alkylamidoether sulfates, alkylaryl polyether sulfates, monoglyceride sulfates; alkyl sulfonates, alkyl phosphates, alkylamide sulfonates, alkylaryl sulfonates,  $\alpha$ -olefin sulfonates, paraffin sulfonates; alkyl sulfosuccinates, alkyl ether sulfosuccinates, alkylamide sulfosuccinates; alkyl sulfosuccinamates; alkyl sulfoacetates; alkyl ether phosphates; acyl sarcosinates; acyl isethionates and N-acyltaurates.

49. A composition according to claim 44, wherein said at least one surfactant is chosen from anionic surfactants chosen from alkaline salts, sodium salts, ammonium salts, amine salts, amino alcohol salts and magnesium salts.

50. A composition according to claim 48, wherein said alkyl and acyl portions of radicals of said salts comprise 1 and from 8 to 24 carbon atoms, and said aryl portions of radicals of said salts are phenyl.

51. A composition according to claim 44, wherein said at least one surfactant is chosen from anionic surfactants chosen from fatty acid salts, acyl lactates wherein the acyl radical comprises 8 to 20 carbon atoms, and weakly anionic surfactants.

52. A composition according to claim 51, wherein said fatty acid salts are chosen from the salts of oleic acid, ricinoleic acid, palmitic acid, stearic acid, coconut oil acid and hydrogenated coconut oil acid.

53. A composition according to claim 44, wherein said at least one surfactant is chosen from anionic surfactants chosen from alkyl-D-galactosiduronic acids and their salts, polyoxyalkylenated (C<sub>6</sub>-C<sub>24</sub>) alkyl ether carboxylic acids and their salts, polyoxyalkylenated (C<sub>6</sub>-C<sub>24</sub>) alkylaryl ether carboxylic acids and their salts, and polyoxyalkylenated (C<sub>6</sub>-C<sub>24</sub>) alkylamido ether carboxylic acids and their salts.

54. A composition according to claim 51, wherein said weakly anionic surfactants comprise from 2 to 50 ethylene oxide groups.

55. A composition according to claim 48, wherein said at least one anionic surfactant salt is chosen from alkyl sulfates and alkyl ether sulfates.

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56. A composition according to claim 44, wherein said at least one surfactant is chosen from nonionic surfactants chosen from polyethoxylated, polypropoxylated and polyglycerolated fatty acids, alkylphenols,  $\alpha$ -diols and alcohols having a fatty aliphatic chain comprising 8 to 18 carbon atoms, wherein the number of ethylene oxide and propylene oxide groups ranges from 2 to 50 and the number of glycerol groups ranges from 2 to 30, copolymers of ethylene oxide and of propylene oxide, condensates of ethylene oxide and of propylene oxide with fatty alcohols, polyethoxylated fatty amides comprising from 2 to 30 mol of ethylene oxide, polyglycerolated fatty amides comprising on average 1 to 5 glycerol groups, polyethoxylated fatty amines comprising from 2 to 30 mol of ethylene oxide, oxyethylenated fatty acid esters of sorbitan comprising from 2 to 30 mol of ethylene oxide, fatty acid esters of sucrose, fatty acid esters of polyethylene glycol, alkylpolyglycosides, N-alkylglucamine derivatives, and amine oxides.

57. A composition according to claim 56, wherein said polyglycerolated fatty amides comprise on average 1.5 to 4 glycerol groups.



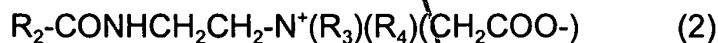
58. A composition according to claim 56, wherein said amine oxides are chosen from (C<sub>10</sub>-C<sub>14</sub>)alkylamine oxides and N-acylaminopropylmorpholine oxides.

59. A composition according to claim 56, wherein said nonionic surfactants are chosen from alkylpolyglycosides.

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60. A composition according to claim 44, wherein said at least one surfactant is chosen from amphoteric surfactants chosen from aliphatic secondary and tertiary amine derivatives wherein the aliphatic radical is chosen from linear and branched chain radicals comprising 8 to 22 carbon atoms and comprising at least one water-soluble anionic group, (C<sub>8</sub>-C<sub>20</sub>)alkylbetaines, sulfobetaines, (C<sub>8</sub>-C<sub>20</sub>)alkylamido(C<sub>1</sub>-C<sub>6</sub>)alkylbetaines, and (C<sub>8</sub>-C<sub>20</sub>)alkylamido(C<sub>1</sub>-C<sub>6</sub>)alkylsulfobetaines.

61. A composition according to claim 60, wherein said at least one water-soluble anionic group is chosen from carboxylates, sulfonates, sulfates, phosphates and phosphonates.

62. A composition according to claim 60, wherein said amine derivatives are chosen from the compounds:



in which:

- R<sub>2</sub> is chosen from alkyl radicals derived from an acid R<sub>2</sub>-COOH present in hydrolysed coconut oil, heptyl, nonyl and undecyl radicals,
- R<sub>3</sub> is chosen from β-hydroxyethyl groups, and
- R<sub>4</sub> is chosen from carboxymethyl groups;

and



in which:

- (B) is  $\text{-CH}_2\text{CH}_2\text{OX'}$ , with X' chosen from a  $\text{-CH}_2\text{CH}_2\text{-COOH}$  group and a hydrogen atom,

- (C) is  $\text{-(CH}_2\text{)}_z\text{-Y'}$ , with  $z = 1$  or  $2$ , and with Y' chosen from  $\text{-COOH}$  and  $\text{-CH}_2\text{-CHOH-SO}_3\text{H}$  radicals,

-  $R_5$  is chosen from alkyl radicals and unsaturated  $C_{17}$  radicals.

63. A composition according to claim 62, wherein said alkyl radicals  $R_5$  are chosen from (a) alkyl radicals of an acid  $R_5\text{-COOH}$  present in oils chosen from coconut oil and hydrolysed linseed oil, and (b)  $C_{17}$  alkyl radicals and the iso forms.

64. A composition according to claim 62, wherein said alkyl radicals of said  $R_5$  are chosen from alkyl radicals chosen from  $C_7$ ,  $C_9$ ,  $C_{11}$  and  $C_{13}$  alkyl radicals.

65. A composition according to claim 44, wherein said at least one surfactant is chosen from at least two surfactants of different types.

66. A composition according to claim 65, wherein said at least two surfactants of different types are chosen from (a) more than one anionic surfactant, (b) at least one anionic surfactant and at least one amphoteric surfactant, and (c) at least one anionic surfactant and and at least one nonionic surfactant.

67. A composition according to claim 44, wherein said at least one surfactant is chosen from anionic surfactants chosen from  $(C_{12}\text{-}C_{14})$ alkyl sulfates of sodium, of triethanolamine and of ammonium,  $(C_{12}\text{-}C_{14})$ alkyl ether sulfates of sodium, of triethanolamine and of ammonium, oxyethylenated with 2.2 mol of ethylene oxide,

sodium cocoyl isethionate, and sodium (C<sub>14</sub>-C<sub>16</sub>)- $\alpha$ -olefin sulfonate, and from an amphoteric surfactant chosen from either:

- amine derivatives comprising disodium cocoamphodipropionate and sodium cocoamphopropionate, or
- 5 - amphoteric surfactants of zwitterionic type.

68. A composition according to claim 67, wherein said amphoteric surfactants of zwitterionic type are chosen from alkylbetaines.

69. A composition according to claim 68, wherein said alkylbetaines are chosen from cocobetaine.

10 70. A composition according to claim 1 further comprising at least one additive chosen from fragrances, nacreous agents, preserving agents, silicone sunscreens, non-silicone sunscreens, vitamins, provitamins, amphoteric, anionic and nonionic polymers, proteins, protein hydrolysates, 18-methyleicosanoic acid, hydroxy acids, panthenol, volatile and non-volatile, cyclic and linear and crosslinked, modified  
15 and non-modified silicones, and any other additive conventionally used in cosmetics which does not substantially adversely affect the properties of the compositions according to the invention.

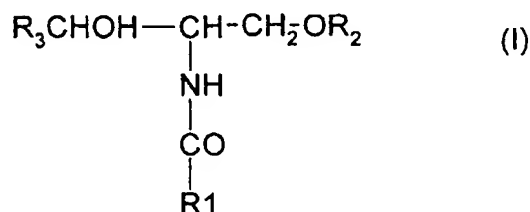
20 71. A composition according to claim 70, wherein said at least one additive is present in an amount ranging from 0 to 20% by weight relative to the total weight of the composition.

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A5 } 72. A ~~rinse-out~~ conditioner, a leave-in conditioner, a composition for permanent-waving the hair, a composition for straightening the hair, a composition for dyeing the hair, a composition for bleaching the hair, a rinse-out composition to be

applied before a procedure chosen from dyeing, bleaching, permanent-waving and  
straightening the hair, a rinse-out composition to be applied after a procedure chosen  
from dyeing, bleaching, permanent-waving and straightening the hair, a rinse-out  
composition to be applied between the two steps of a permanent-waving operation, a  
rinse-out composition to be applied between the two steps of a hair-straightening  
operation, a washing composition for the body, an aqueous lotion, an aqueous-  
alcoholic lotion, a gel, a milk, a cream, an emulsion, a thickened lotion, a mousse, or a  
detergent composition comprising a washing base comprising:

(1) at least one conditioner chosen from:

- synthetic oils;
- animal oils;
- plant oils;
- fluoro oils;
- perfluoro oils;
- natural waxes;
- synthetic waxes; and
- ceramides of formula (I) :



wherein:

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-  $R_1$  is chosen from linear and branched, saturated and unsaturated alkyl groups derived from at least one  $C_{14}$ - $C_{30}$  fatty acid, wherein said  $R_1$  is optionally substituted with at least one hydroxyl group in the  $\alpha$  position, and wherein said  $R_1$  may optionally be substituted with at least one hydroxyl group in the  $\omega$  position wherein said at least one hydroxyl group is esterified with at least one group chosen from saturated and unsaturated  $C_{16}$ - $C_{30}$  fatty acids;

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-  $R_2$  is chosen from a hydrogen atom, (glycosyl) $_n$  groups, (galactosyl) $_m$  groups and sulphogalactosyl groups, wherein  $n$  is an integer ranging from 1 to 4 and  $m$  is an integer ranging from 1 to 8;

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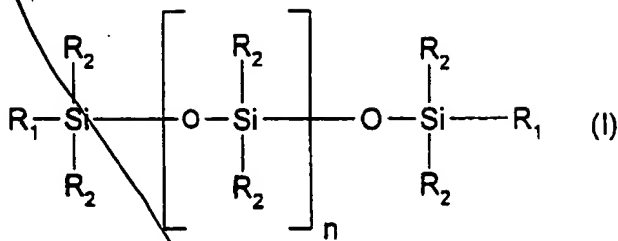
-  $R_3$  is chosen from  $C_{15}$ - $C_{26}$  hydrocarbon-based groups, optionally saturated in the  $\alpha$  position, wherein said  $R_3$  is optionally substituted with at least one  $C_1$ - $C_{14}$  alkyl group;

with the proviso that when said ceramides of formula (I) are chosen from natural ceramides and natural glycosceramides,  $R_3$  may also be chosen from  $C_{15}$ - $C_{26}$   $\alpha$ -hydroxyalkyl groups wherein the hydroxyl group is optionally esterified with at least one  $C_{16}$ - $C_{30}$   $\alpha$ -hydroxy acid group; and

20

(2) at least one silicone copolymer with a dynamic viscosity ranging from  $1 \times 10^6$  to  $100 \times 10^6$  cP, resulting from the addition reaction, in the presence of a catalyst, of at least:

- (a) one polysiloxane of formula (I):



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cont.

in which:

- R<sub>1</sub>, which may be identical or different, are independently chosen from groups that can react by chain addition reaction,

- R<sub>2</sub> in formula (I), which may be identical or different, are independently chosen from alkyl, alkenyl, cycloalkyl, aryl, hydroxyl, and alkylaryl groups, and can optionally further comprise functional groups,

- n is an integer wherein the polysiloxane of formula (I) has a kinematic viscosity ranging from 1 to 1 x 10<sup>6</sup> mm<sup>2</sup>/s; and

- (b) at least one silicone compound comprising at least one and not more than two groups capable of reacting with the groups R<sub>1</sub> of the polysiloxane (a), wherein:

- at least one of the compounds of type (a) and (b) comprises an aliphatic group comprising an ethylenic unsaturation.

73. An aqueous or aqueous-alcoholic lotion according to claim 72, said lotion being suitable for skin care or for hair care.

74. A gel, a milk, a cream, an emulsion, a thickened lotion or a mousse according to claim 72, wherein said gel, milk, cream, emulsion, thickened lotion or mousse is suitable to be applied to at least one keratin material chosen from skin, nails, eyelashes, lips and hair.

5 75. A detergent composition comprising a washing base according to claim 72, wherein said composition is chosen from shampoos, shower gels, bubble baths and make-up-removing products.

10 76. A detergent composition comprising a washing base according to claim 72, wherein said washing base comprises at least one surfactant chosen from anionic, amphoteric, nonionic and cationic surfactants.

15 77. A detergent composition according to claim 76, wherein said at least one surfactant is present in an amount effective to provide satisfactory foaming power and satisfactory detergent power.

20 78. A detergent composition comprising a washing base according to claim 76, wherein said washing base is present in an amount ranging from 4% to 50% by weight, relative to the total weight of the final composition.

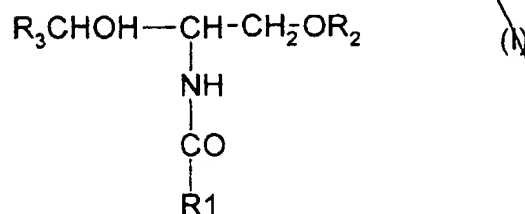
79. A detergent composition comprising a washing base according to claim 78, wherein said washing base is present in an amount ranging from 6% to 35% by weight, relative to the total weight of the final composition.

80. A detergent composition comprising a washing base according to claim 79, wherein said washing base is present in an amount ranging from 8% to 25% by weight, relative to the total weight of the final composition.

81. A process of washing or caring for a keratin material comprising applying to said keratin material a composition comprising:

(1) at least one conditioner chosen from:

- synthetic oils;
- animal oils;
- plant oils;
- fluoro oils;
- perfluoro oils;
- natural waxes;
- synthetic waxes; and
- ceramides of formula (I) :



wherein:

-  $R_1$  is chosen from linear and branched, saturated and unsaturated alkyl groups derived from at least one  $C_{14}$ - $C_{30}$  fatty acid, wherein said  $R_1$  is optionally substituted with at least one hydroxyl group in the  $\alpha$  position, and wherein said  $R_1$  may optionally be substituted with at least one hydroxyl group in the  $\omega$  position wherein said at least one hydroxyl group is esterified with at least one group chosen from saturated



and unsaturated C<sub>16</sub>-C<sub>30</sub> fatty acids;

- R<sub>2</sub> is chosen from a hydrogen atom, (glycosyl)<sub>n</sub> groups, (galactosyl)<sub>m</sub> groups and sulphogalactosyl groups, wherein n is an integer ranging from 1 to 4 and m is an integer ranging from 1 to 8;

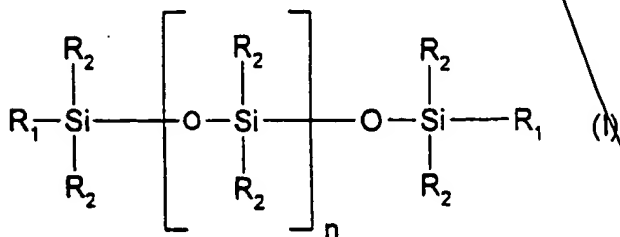
- R<sub>3</sub> is chosen from C<sub>15</sub>-C<sub>26</sub> hydrocarbon-based groups, optionally saturated in the α position, wherein said R<sub>3</sub> is optionally substituted with at least one C<sub>1</sub>-C<sub>14</sub> alkyl group;

with the proviso that when said ceramides of formula (I) are chosen from natural ceramides and natural glycosceramides, R<sub>3</sub> may also be chosen from C<sub>15</sub>-C<sub>26</sub> α-

hydroxyalkyl groups wherein the hydroxyl group is optionally esterified with at least one C<sub>16</sub>-C<sub>30</sub> α-hydroxy acid group; and

(2) at least one silicone copolymer with a dynamic viscosity ranging from 1 x 10<sup>6</sup> to 100 x 10<sup>6</sup> cP, resulting from the addition reaction, in the presence of a catalyst, of at least:

- (a) one polysiloxane of formula (I):



in which:

-  $R_1$ , which may be identical or different, are independently chosen from groups that can react by chain addition reaction,

-  $R_2$  in formula (I), which may be identical or different; are independently chosen from alkyl, alkenyl, cycloalkyl, aryl, hydroxyl, and alkylaryl groups, and can optionally further comprise functional groups,

-  $n$  is an integer wherein the polysiloxane of formula (I) has a kinematic viscosity ranging from 1 to  $1 \times 10^6$  mm<sup>2</sup>/s; and

- (b) at least one silicone compound comprising at least one and not more than two groups capable of reacting with the groups  $R_1$  of the polysiloxane (a), wherein:

- at least one of the compounds of type (a) and (b) comprises an aliphatic group comprising an ethylenic unsaturation.

82. A process for treating a keratin material comprising applying to said keratin material a composition comprising:

(1) at least one conditioner chosen from:

- synthetic oils;

- animal oils;

- plant oils;

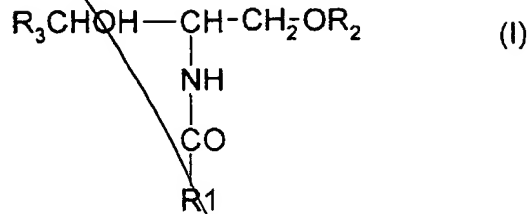
- fluoro oils;

- perfluoro oils;

- natural waxes;

- synthetic waxes; and

ceramides of formula (I) :



5 wherein:

-  $R_1$  is chosen from linear and branched, saturated and unsaturated alkyl groups derived from at least one  $C_{14}$ - $C_{30}$  fatty acid, wherein said  $R_1$  is optionally substituted with at least one hydroxyl group in the  $\alpha$  position, and wherein said  $R_1$  may optionally be substituted with at least one hydroxyl group in the  $\omega$  position wherein said at least one hydroxyl group is esterified with at least one group chosen from saturated and unsaturated  $C_{16}$ - $C_{30}$  fatty acids;

-  $R_2$  is chosen from a hydrogen atom, (glycosyl) $_n$  groups, (galactosyl) $_m$  groups and sulphogalactosyl groups, wherein  $n$  is an integer ranging from 1 to 4 and  $m$  is an integer ranging from 1 to 8;

15 -  $R_3$  is chosen from  $C_{15}$ - $C_{26}$  hydrocarbon-based groups, optionally saturated in the  $\alpha$  position, wherein said  $R_3$  is optionally substituted with at least one  $C_1$ - $C_{14}$  alkyl group;

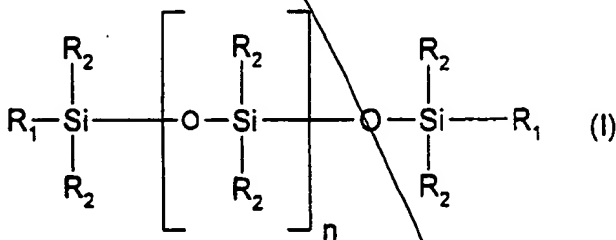
with the proviso that when said ceramides of formula (I) are chosen from natural ceramides and natural glycosceramides,  $R_3$  may also be chosen from  $C_{15}$ - $C_{26}$   $\alpha$ -

hydroxyalkyl groups wherein the hydroxyl group is optionally esterified with at least one  $C_{16}$ - $C_{30}$   $\alpha$ -hydroxy acid group; and

(2) at least one silicone copolymer with a dynamic viscosity ranging from  $1 \times 10^6$  to  $100 \times 10^6$  cP, resulting from the addition reaction, in the presence of a catalyst, of at

least:

- (a) one polysiloxane of formula (I):



in which:

-  $R_1$ , which may be identical or different, are independently chosen from groups that can react by chain addition reaction,

-  $R_2$  in formula (I), which may be identical or different, are independently chosen from alkyl, alkenyl, cycloalkyl, aryl, hydroxyl, and alkylaryl groups, and can optionally further comprise functional groups,

-  $n$  is an integer wherein the polysiloxane of formula (I) has a kinematic viscosity ranging from 1 to  $1 \times 10^6$  mm<sup>2</sup>/s; and

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Cont.

- (b) at least one silicone compound comprising at least one and not more than two groups capable of reacting with the groups  $R_1$  of the polysiloxane (a), wherein:

- at least one of the compounds of type (a) and (b) comprises an aliphatic group comprising an ethylenic unsaturation,

5 and optionally rinsing said composition out with water.

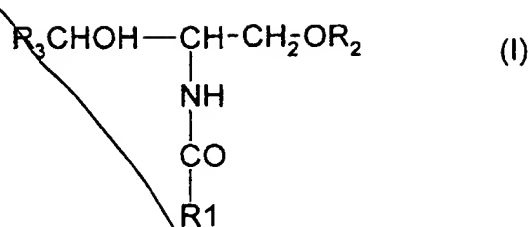
83. A process for washing or treating a keratin material according to claim 82, wherein said keratin material is chosen from hair, skin, eyelashes, eyebrows, nails, lips and scalp.

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84. A process for manufacturing a cosmetic product comprising including in said product.

(1) at least one conditioner chosen from:

- synthetic oils;
- animal oils;
- plant oils;
- fluoro oils;
- perfluoro oils;
- natural waxes;
- synthetic waxes; and
- ceramides of formula (I) :



wherein:

-  $R_1$  is chosen from linear and branched, saturated and unsaturated alkyl groups derived from at least one  $C_{14}$ - $C_{30}$  fatty acid, wherein said  $R_1$  is optionally substituted with at least one hydroxyl group in the  $\alpha$  position, and wherein said  $R_1$  may optionally be substituted with at least one hydroxyl group in the  $\omega$  position wherein said at least one hydroxyl group is esterified with at least one group chosen from saturated and unsaturated  $C_{16}$ - $C_{30}$  fatty acids;

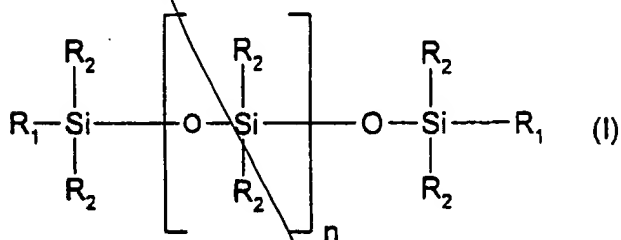
-  $R_2$  is chosen from a hydrogen atom, (glycosyl) $_n$  groups, (galactosyl) $_m$  groups and sulphogalactosyl groups, wherein  $n$  is an integer ranging from 1 to 4 and  $m$  is an integer ranging from 1 to 8;

-  $R_3$  is chosen from  $C_{15}$ - $C_{26}$  hydrocarbon-based groups, optionally saturated in the  $\alpha$  position, wherein said  $R_3$  is optionally substituted with at least one  $C_1$ - $C_{14}$  alkyl group;

with the proviso that when said ceramides of formula (I) are chosen from natural ceramides and natural glycosceramides,  $R_3$  may also be chosen from  $C_{15}$ - $C_{26}$   $\alpha$ -hydroxyalkyl groups wherein the hydroxyl group is optionally esterified with at least one  $C_{16}$ - $C_{30}$   $\alpha$ -hydroxy acid group; and

(2) at least one silicone copolymer with a dynamic viscosity ranging from  $1 \times 10^6$  to  $100 \times 10^6$  cP, resulting from the addition reaction, in the presence of a catalyst, of at least:

- (a) one polysiloxane of formula (I):



in which:

-  $R_1$ , which may be identical or different, are independently chosen from groups that can react by chain addition reaction,

-  $R_2$  in formula (I), which may be identical or different, are independently chosen from alkyl, alkenyl, cycloalkyl, aryl, hydroxyl, and alkylaryl groups, and can optionally further comprise functional groups,

-  $n$  is an integer wherein the polysiloxane of formula (I) has a kinematic viscosity ranging from 1 to  $1 \times 10^6$  mm<sup>2</sup>/s; and

- (b) at least one silicone compound comprising at least one and not more than two groups capable of reacting with the groups  $R_1$  of the polysiloxane (a), wherein:

*Sub 42 Cont.*  
~~at least one of the compounds of type (a) and (b) comprises an aliphatic group comprising an ethylenic unsaturation.~~

*Sub B7*  
 85. A composition according to Claim 1, wherein said synthetic oils are chosen from polyolefins of hydrogenated polybutene type, polyolefins of non-hydrogenated polybutene type, polyolefins of hydrogenated polydecene type and polyolefins of non-hydrogenated polydecene type.

86. A composition according to Claim 1, wherein said at least one conditioner is chosen from sunflower oil, corn oil, soybean oil, avocado oil, jojoba oil, marrow oil, grapeseed oil, sesame oil, hazelnut oil, fish oils, glyceryl tricaproylate and plant oils of formula  $R_9COOR_{10}$  and animal oils of formula  $R_9COOR_{10}$ , wherein  $R_9$  is chosen from higher fatty acid residues comprising from 7 to 29 carbon atoms and  $R_{10}$  is chosen from linear and branched hydrocarbon-based chains comprising from 3 to 30 carbon atoms, natural essential oils and synthetic essential oils.

87. A composition according to Claim 86, wherein said  $R_{10}$  is chosen from alkyl groups and alkenyl groups.

88. A composition according to Claim 86, wherein said natural essential oils and synthetic essential oils are chosen from eucalyptus oil, hybrid lavender oil, lavender oil, vetiver oil, Litsea cubeba oil, lemon oil, sandalwood oil, rosemary oil, camomile oil, savory oil, nutmeg oil, cinnamon oil, hyssop oil, caraway oil, orange oil, geraniol oil, cade oil and bergamot oil.

89. A composition according to Claim 1, wherein said at least one conditioner is chosen from carnauba wax, candelilla wax, alfalfa wax, paraffin wax, ozokerite, plant



waxes, absolute waxes of flowers, animal waxes, marine waxes, polyethylene waxes and polyolefin waxes.

90. A composition according to Claim 89, wherein said plant waxes are chosen from olive tree wax, rice wax, and hydrogenated jojoba wax.

91. A composition according to Claim 90, wherein said absolute waxes of flowers are chosen from essential waxes of blackcurrant flower.

92. A composition according to Claim 90, wherein said animal waxes are chosen from beeswaxes.

93. A composition according to Claim 1, wherein said ceramides of formula (I) are chosen from:

- 2-N-linoleylaminooctadecane-1,3-diol,
- 2-N-oleylaminooctadecane-1,3-diol,
- 2-N-palmitoylaminooctadecane-1,3-diol,
- 2-N-stearylaminooctadecane-1,3-diol,
- 2-N-behenylaminooctadecane-1,3-diol,
- 2-N-[2-hydroxypalmitoyl]aminooctadecane-1,3-diol,
- 2-N-stearylaminooctadecane-1,3,4-triol
- N-stearylphytosphingosine
- 2-N-palmitoylaminohexadecane-1,3-diol

and mixtures of any of the foregoing.

94. A composition according to Claim 1, wherein said at least one conditioner is present in an amount ranging from 0.001% to 20% by weight relative to the total weight of said composition.

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